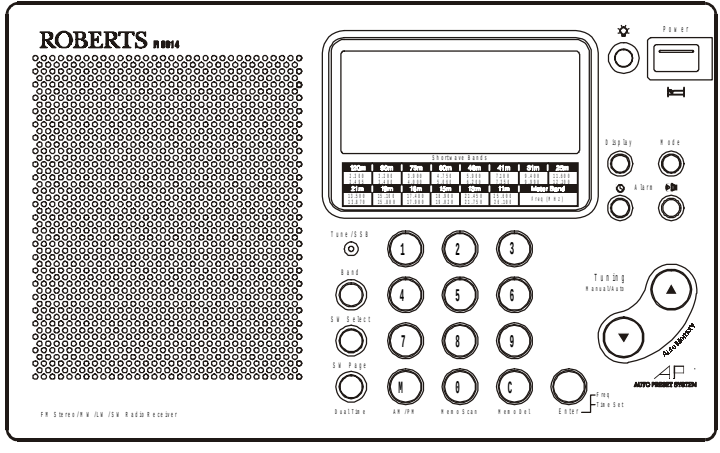
ROBERTS

Sound for Generations

R9914

Multi-band digital preset stereo world radio



Please read this manual before use

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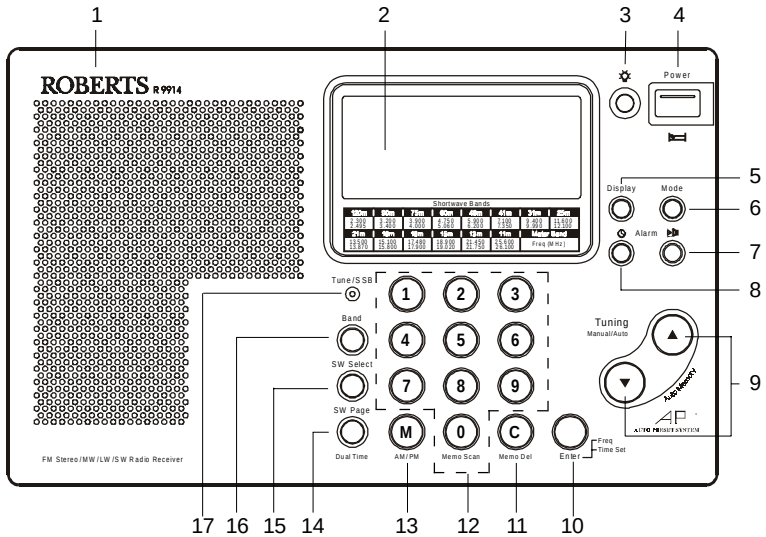
Features

- Large easy to read Liquid crystal display (LCD) showing station frequency, dual time, memory location and function status.
- Direct frequency entry by keypad allowing instant access to any station.
- Forty five memory presets offer instant access to your favourite stations on LW, MW, SW and FM.
- Dual time facility allows you to preset your local time or UTC time, or any two time zones with instant recall.
- Scanning circuit allows you to search for active stations.
- SW select button offers instant selection of any desired SW band.
- SSB mode for reception of Morse code and single sideband transmissions.
- Dual Alarm Feature allows presetting of two alarm wake-up times.
- APS (Auto Tuning System) which automatically scans LW, MW, and FM bands selecting presets based on station signal strength.
- Adjustable sleep timer allows you to fall asleep to music.

Control locations

1. Telescopic aerial.
2. Liquid crystal display.
3. Light button.
4. Power/sleep button.
5. Display button.
6. Mode button.
7. Radio alarm button.
8. HWS buzzer alarm button
9. Manual/auto scan tuning buttons.
10. Enter button for frequency and time.
11. Cancel button.
12. Number buttons for frequency and time.
13. Memory and AM/PM button.
14. SW memory page and real/dual time button.
15. SW band select button.
16. Waveband select button.
17. Tuning/SSB LED.

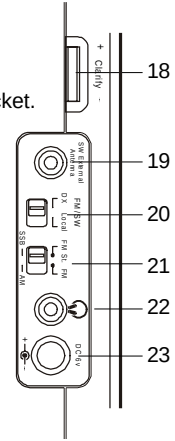
Front



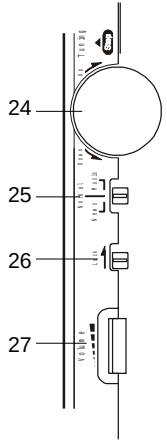
If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri during office hours)

Left hand end

18. Clarify control.
19. SW external antenna socket.
20. DX/Local switch.
21. FM Stereo & SSB/AM switch.
22. Headphone socket.
23. DC input socket.



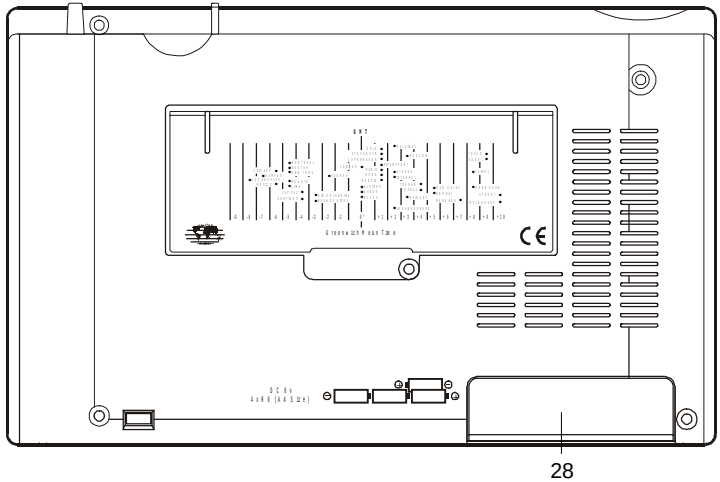
Right hand end



24. Tuning control.
25. Tone control.
26. Lock switch.
27. Volume control.

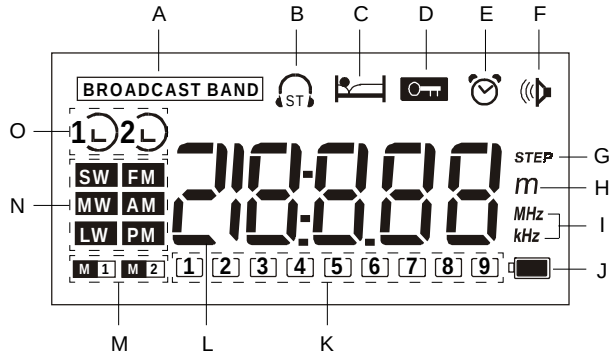
Rear

28. Battery cover.



Display information

A. Broadcast band indicator.
B. FM stereo indicator.
C. Sleep indicator.
D. Key lock indicator.
E. Buzzer alarm indicator.
F. Radio alarm indicator.
G. Tuning step indicator.
H. SW meter band indicator.
I. Frequency units indicator.
J. Low battery indicator.
K. Battery and memory indicator.
L. Frequency and time display.
M. Memory indicators.
N. Waveband and AM/PM indicators.
O. Read/Dual time indicators.



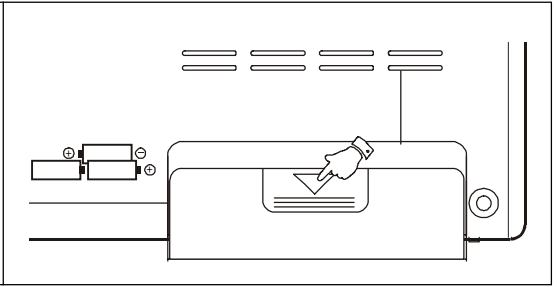
This radio can be operated using:-

4 Alkaline LR6 (AA size) batteries.

AC adaptor (supplied).

Installing batteries

1. Position the radio face down.
2. Press the catch as shown and slide in the direction of the arrow.



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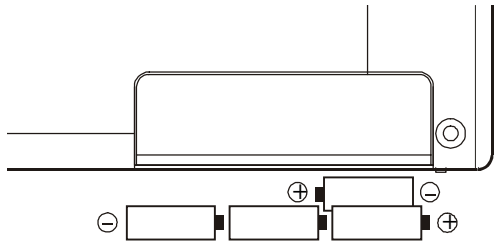
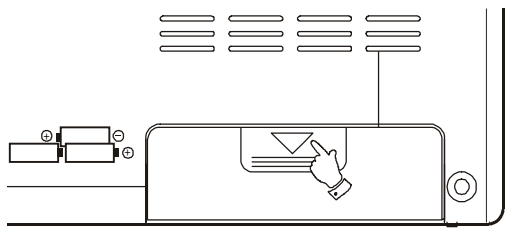
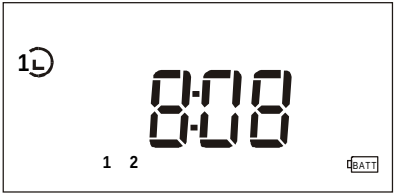
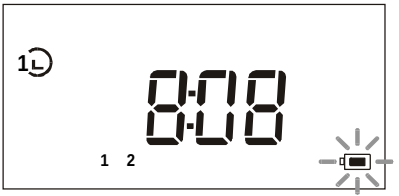
3. Insert 4 x LR6 (AA) size batteries as shown in the diagram.	
4. Replace the battery cover as shown in the diagram.	

Battery replacement

The battery indicator will display the battery condition for approx. 7 seconds after the radio is switched off. When the battery level indicator shows 2 the batteries should be replaced. After removing the batteries you have approximately 3 minutes to replace the batteries after which clock and memory information will be lost.	
Replace batteries when display flashes .	

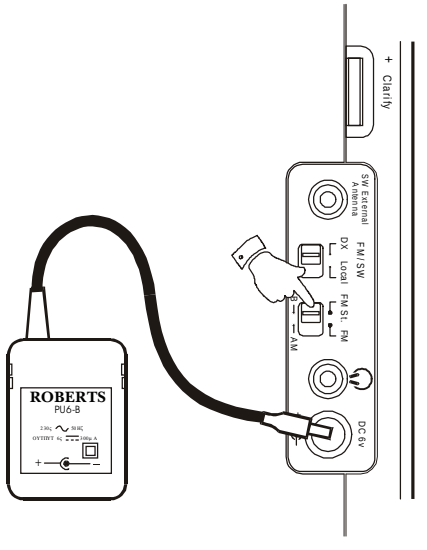
Using the AC adaptor

The AC adaptor for use with the R9914 should provide 6 volts DC output at 300mA centre pin negative (Roberts type PU6-B).

Insert the adaptor plug into the DC socket on the left side of your radio. Plug the adaptor into a standard 13A mains socket outlet. Whenever the adaptor is used the batteries are automatically disconnected.

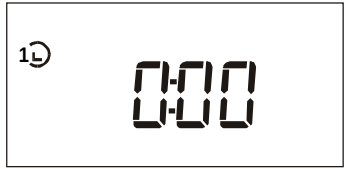
The AC adaptor should be disconnected from the mains supply and the radio when not in use.

We would recommend for economy that the R9914 be used via an AC adaptor whenever possible with battery operation for occasional or stand-by use only.



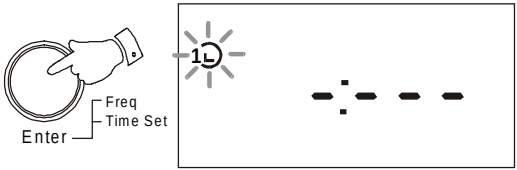
Setting the clock

The clock will start running when the 4 LR6 (AA) size batteries are installed. When batteries are installed for the first time the display will show ***0:00*** or ***AM 12:00 together*** with the real time symbol 1. Time must be entered in 24 hour format e.g. 3:00pm should be entered as 15:00.



The clock can be set with the radio power on or off.

1. If the radio is switched on, press the ***Display*** button to display the time.
2. Press the ***Enter*** button for more than 2 seconds, the 1 real time symbol will flash in the display



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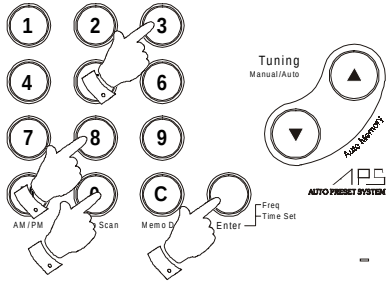
3. Whilst the 1 real time symbol is flashing, set the correct time by pressing the numbered buttons. As you press each button the corresponding number will show on the display.
4. Press the ***Enter*** button to complete time setting. If an incorrect time has been set the radio will beep and the ERR will flash in the display. Reset the correct time by pressing the numbered buttons again.



Note:

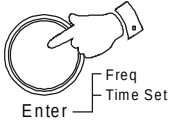
a. Time can only be adjusted whilst the 1 real time symbol is flashing in the display.
b. You may change from 24 to 12Hr clock mode using the mode button as described later

Setting dual time

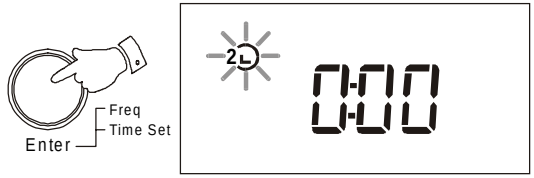
In addition to real time a second time zone can be programmed into this radio.

1. Press the **"Dual Time"** button the display will show and flash 2L.

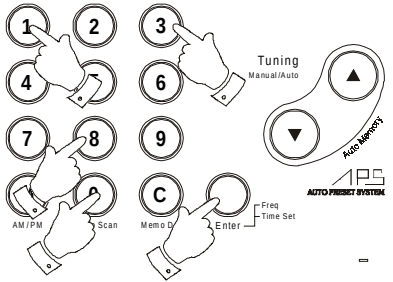
2. Press the ***Enter*** button within 7 seconds, the display 2L will stop flashing.



3. Press the ***Enter*** button for more than 2 seconds, the 2 dual time symbol will flash in the display.



4. Whilst the 2 dual time symbol is flashing, set the correct time by pressing the numbered buttons. As you press each button the corresponding number will show on the display.
5. Press the ***Enter*** button to complete dual time setting. If an incorrect time has been set the radio will beep and the ***Err*** symbol will appear in the display. Reset the correct time by pressing the numbered buttons again.



6. Press the ***Enter*** button to complete setting the dual time, the display will now show the correct dual time.

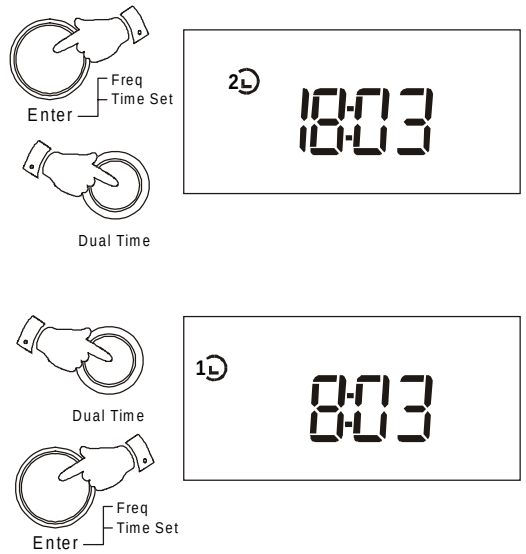
7. Press the ***Dual Time*** button followed by the ***Enter*** button to return the display to real time.

Note:

a. To temporarily change between real and dual time mode, press the ***Dual Time*** button, the 2 symbol and dual time will be shown in the display. After approximately 7 seconds the display will return to showing real time.

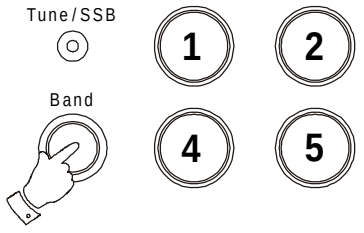
b. To permanently change the display to dual time mode, press the ***Dual Time*** button followed by the ***Enter*** button. The 2 symbol will appear in the display.

c. To permanently change the display back to real time mode press the ***Dual Time*** button followed by the ***Enter*** button. The 1 symbol will appear in the display.



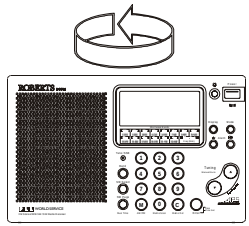
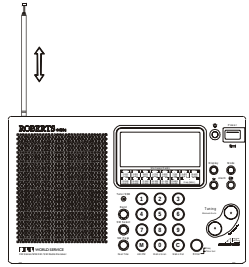
Waveband selection

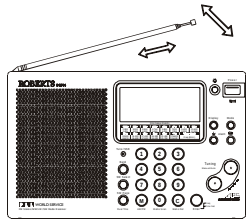
There are four wavebands on your radio - selection is by repeated pressing of the ***Band*** button.



Waveband	Frequency coverage	
LW	153 - 279	kHz
MW	520 - 1710	kHz
SW	1,711 - 29,999	kHz
FM	87.5 - 108	MHz

Tuning

Band	Frequency Range	Aerial Type	Illustration
LW MW	153 - 279kHz 520-1710kHz	INTERNAL Rotate for best reception	
SW	1,711 - 29,999kHz	TELESCOPIC Fully extend the aerial, for best reception	

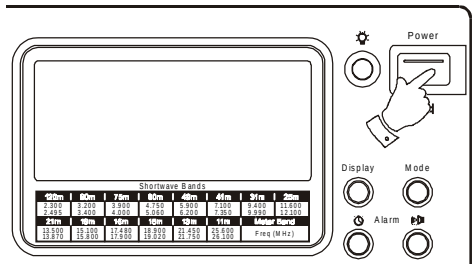
Band	Frequency Range	Aerial Type	Illustration
FM	87.5 - 108MHz	TELESCOPIC Fully extend the aerial, angle and rotate for best reception.	

Stations may be selected by using any one of the six available tuning methods:- • Direct Key Pad Tuning • Manual Tuning • Scan Tuning • Memory Recall Tuning • Memory Scan • APS Tuning on LW, MW and FM bands.

Direct key pad tuning

Example: To tune to 100.70 MHz on the FM band.

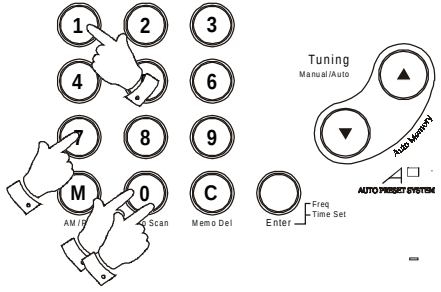
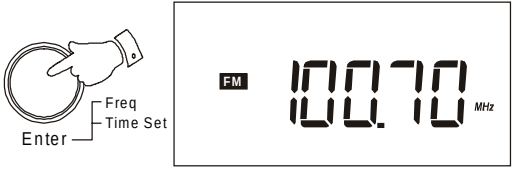
1. Press the ***Power*** button to turn on your radio.

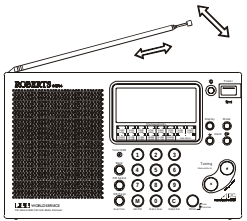
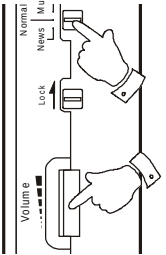


2. Select the FM band using the ***Band*** button.

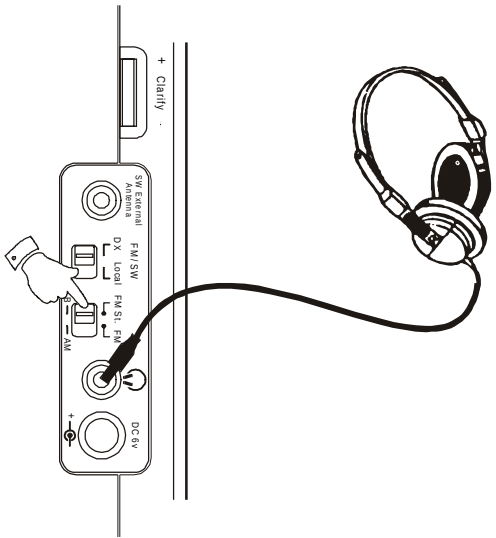
   Press the button marked ***Enter*** the display will show

   - :- -

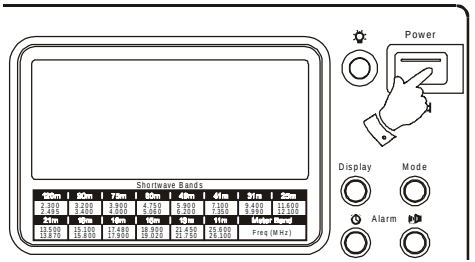
3. Press the buttons marked ***1, 0, 0, 7***	
4. Press the button marked ***Enter***, the frequency and waveband will now appear in the display.	

5. Fully extend the telescopic aerial and rotate for best FM reception.	
6. Adjust the ***Volume*** and ***Tone*** controls for comfortable listening.	

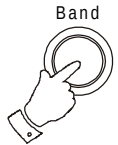
7. When selecting a stereo FM station, and using stereo earphones, make sure that the ***FM mode*** switch is in the ***STEREO*** position.



1. Press the ***Power*** button to turn on your radio.



2. Select a waveband by pressing the ***Band*** button.



3. A single press on the either the [∧] or [∨] down buttons will change the frequency up or down.

   Each press of the [∧] or [∨] buttons will change the frequency in increments of:

   MW: 9/10kHz

   SW: 5kHz

   FM: 100kHz

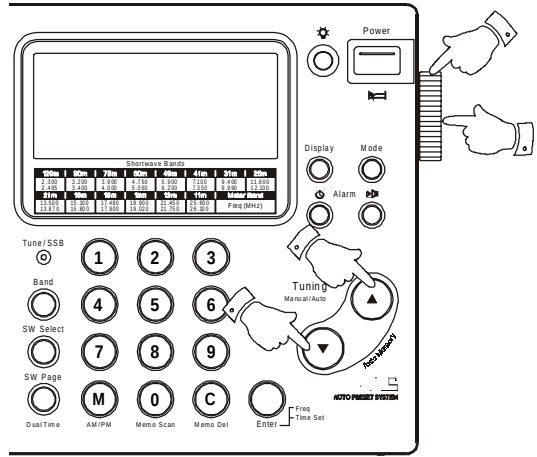
4. Rotating the ***Tuning*** control will also change the frequency up or down. Press in the ***Tuning*** control to select rotary fine tuning. The display will briefly show the fine tuning step size.

   Fine tuning gives steps of :-

   LW/MW/SW: 1kHz

   FM: 50kHz

   Pressing any button will cancel fine tuning.



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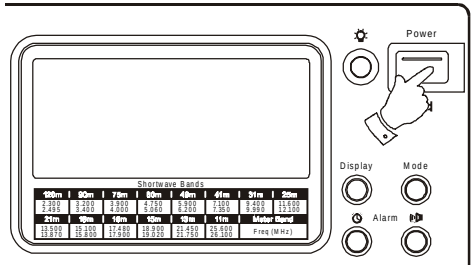
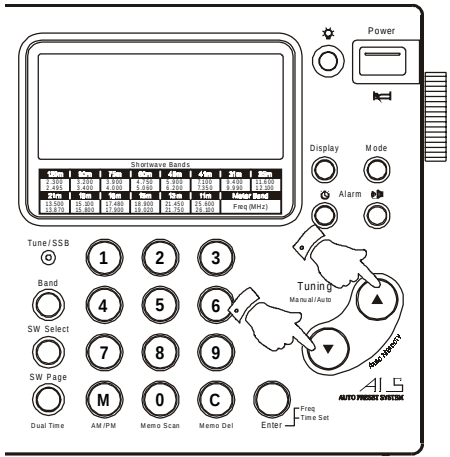
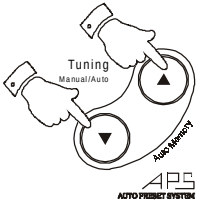
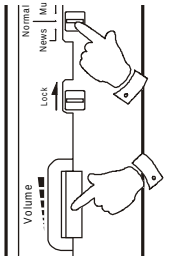


2. Select a waveband by pressing the ***Band*** button.

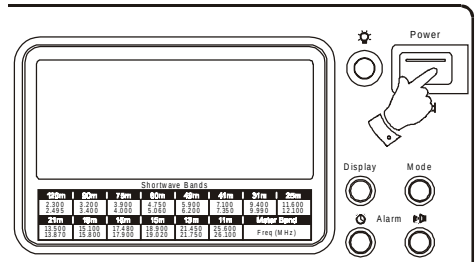
3. Press and hold down either the tuning [∧] or [∨] buttons for more than half a second to commence scan tuning. Your radio will scan all frequencies in the selected band and stop automatically each time it finds an active station.



4. Press and hold down either the tuning [∧] or [∨] buttons for more than half a second to resume scan tuning. When the waveband end is reached the radio will beep and continue tuning from the opposite waveband end.	
5. Adjust the ***Volume*** and ***Tone*** controls for comfortable listening.	

You may store up to 45 preset stations in memory, 18 on SW, 9 on FM 9 on MW and 9 on LW. To store a station in preset memory proceed as follows.

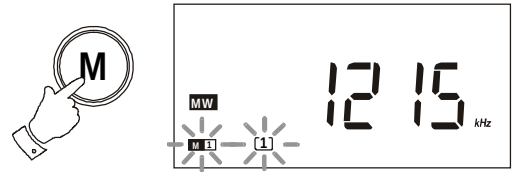
1. Turn on your radio by pressing the ***Power*** button.



2. Tune to the desired frequency using one of the previously described tuning methods.

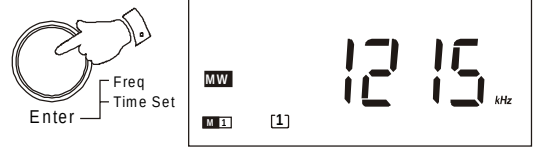
3. Press the button marked ***M*** (memory), the memory symbol M 1 together with a suggested preset number will flash in the display for 7 seconds.

Note: If some of the presets have already been used the radio will suggest the next available preset location.

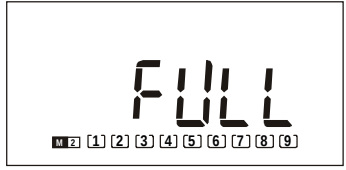


4. Press the ***ENTER*** button, the M 1 symbol and preset location will stop flashing and your station will be stored in the memory preset.

5. On SW when presets 1 to 9 are full a second page of memory may be selected. Press the ***M button*** followed by the ***SW page button***. The display will show M 2, and an additional 1-9 presets can be used giving a total of 18 presets on SW.



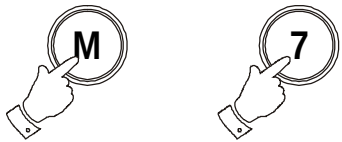
Note: If all the preset memory locations are full, pushing the ***M*** button will cause the display to show ***FULL***. If you still want to store a new station press any numbered button for more than 2 seconds, the new station will be stored in the selected memory location, the original station in this location will be cancelled.



Overwriting a station in preset memory

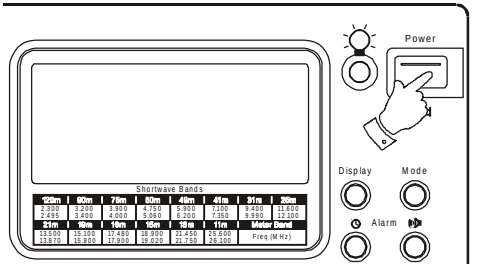
1. Tune to the desired frequency using one of the previously described tuning methods. Press the ***M*** button and then hold down the required memory preset button for more than 2 seconds.

e.g. to overwrite memory preset 7, tune to the required station, press ***M*** then press and hold down numbered button ***7*** for more than 2 seconds.

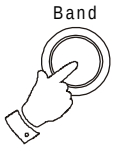


Recalling a station from preset memory

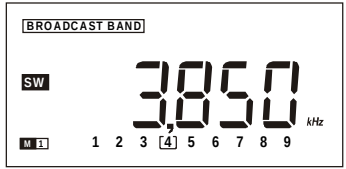
1. Turn on your radio by pressing the ***Power*** button.



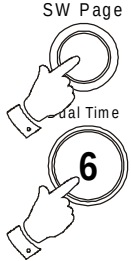
2. Select a waveband by pressing the ***Band*** button.

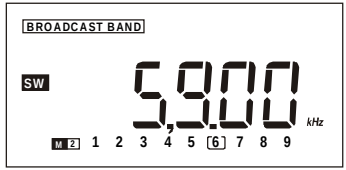


3. Press the numbered button corresponding to the preset memory location for the required station. Your radio will instantly tune to the station and the display will show its frequency and memory location. If you wish to select another preset station press any one of the numbered buttons for instant access.



1. To select presets from SW memory page 2 press the ***SW page button*** followed by the required preset number

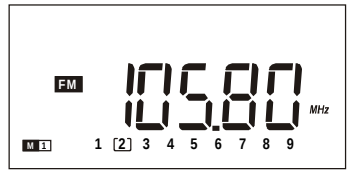




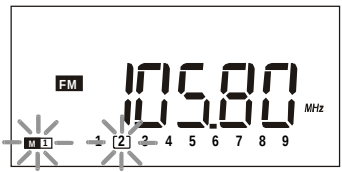
Changing preset station order

e.g. exchanging preset station 2 with preset station 7.

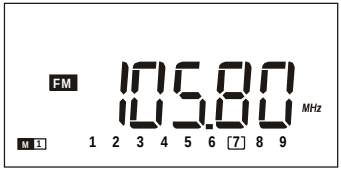
1. Recall preset 2 by pressing the numbered button ***2***.



2. Push the ***M*** button, preset 2 and M 1 will flash in the display.

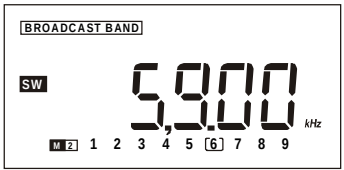


3. Press and hold down numbered button **7** for more than 2 seconds. Presets ***2*** and ***7*** will now be exchanged.



Memory scan

1. Turn on the radio by pressing the Power button. Select the required waveband using the ***Band*** button.
2. Push the ***Memo Scan*** button, the radio will scan each preset memory in turn - pause for 7 seconds on each preset memory before continuing on to the next memory. When the required preset/station is reached press any button to stop memory scan.

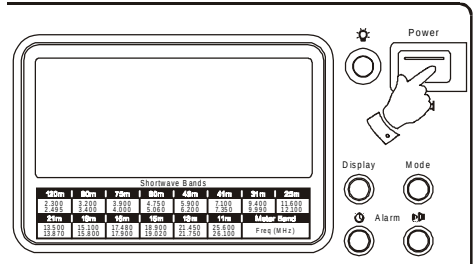


APS (Auto Preset System)

Your radio provides an easy to use feature called APS (Auto Preset System) which operates on LW, MW and FM bands.

Note: APS does not operate on the SW band.

1. Turn on the radio by pressing the ***Power*** button.



2. Select a waveband by pressing the ***Band*** button

3. Press and hold down both the tuning [∧] and [∨] buttons for more than 2 seconds. The radio will beep indicating that the radio is in APS mode.

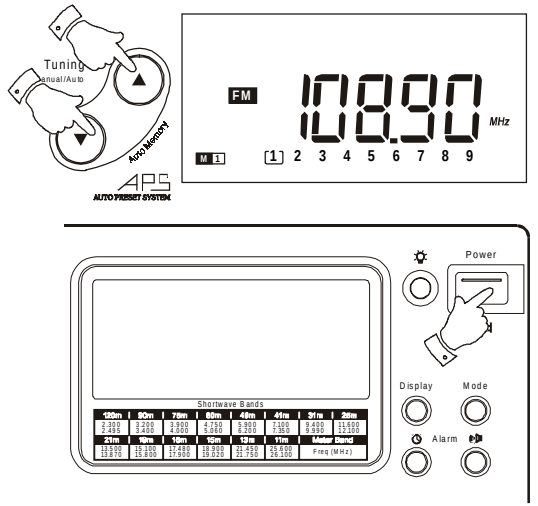
4. Your radio will scan from the lowest frequency on the selected band, automatically storing stations in preset memory based on signal strength order.

5. After APS is complete the display will show MEMO 1 and the station with the strongest signal for your area will be selected.

   Note: During APS the 9 strongest stations will be stored.

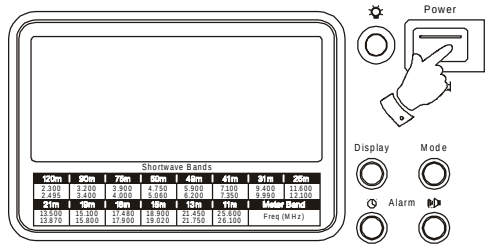
   All previously stored stations will be erased when APS operation commences.

   APS operation can be cancelled by pressing the ***Power*** button



Direct access to SW metre bands

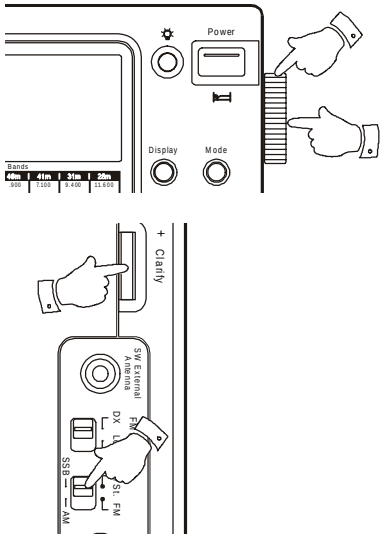
1. Turn on your radio by pressing the ***Power*** button.



2. Press the ***Band*** select button to select the SW band.
3. Repeatedly press the ***SW Select*** button to cycle through the SW bands. The SW band is shown by the SW indicator to the right of the display.

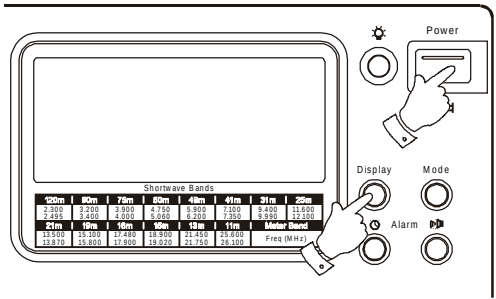
On SW some stations transmit in Morse code (CW). In addition some SW stations transmit using a special type of voice transmission called single sideband (SSB)

1. To tune into a CW or SSB transmission select the required SW band.
2. Set the ***SSB/AM*** switch to the SSB position. Set the ***Clarify*** control to the mid position. Tune into the station using one of the previously described methods.
3. Select fine tuning mode by pushing in the ***Tuning*** control.
4. Slowly rotate the ***Clarify*** and ***Tuning*** controls to find the point giving best reception.

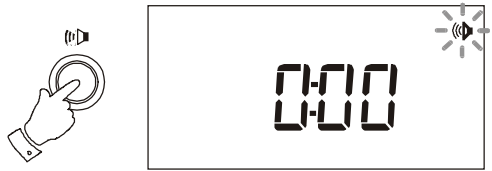


The alarm can be set with the radio power on or off.

1. If the radio is switched on, press the **Display** button to display the time.

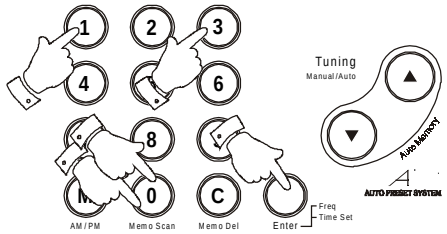


1. Press the button the display will show the last alarm time set, (this will be **"0:00"** the first time the alarm is set). The alarm symbol will flash in the display.



2. Press the numbered buttons to set the alarm on time. e.g. to set an alarm time of 13:00, press the buttons **1 3 0 0**, followed by the ***Enter*** button to complete the setting and return to real time mode.

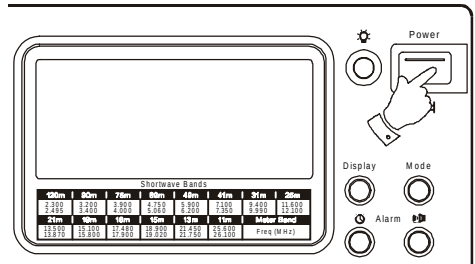
3. To verify the alarm time, press the button to display the alarm time followed by the ***Enter*** button to return to real time mode.



5. To cancel the alarm, press the button the display will show the previously set alarm time, press the ***C*** button to complete alarm cancellation.

Note:

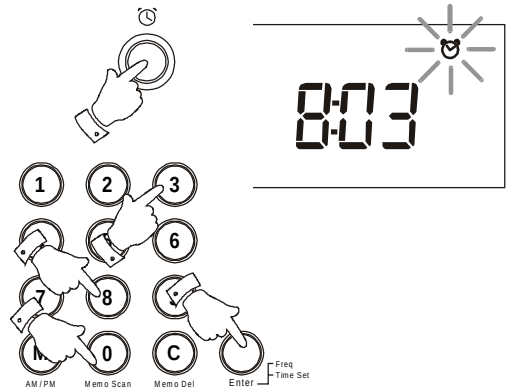
1. When the alarm is sounding, press the **"Power"** button to turn off the alarm for 24 hours.
2. The radio alarm will play for one hour if not turned off by pushing the **"Power"** button.
3. Tune your radio to the required station and adjust the volume before setting the alarm. When the alarm operates your radio will play the last station selected.



Setting the HWS (Humane Wake System) alarm

A repeating beep tone will sound when using the HWS alarm. The alarm beep will increase in volume every 15 seconds for 1 minute followed by 1 minutes silence before repeating the cycle. The HWS alarm will sound for 1 hour unless turned off by pushing the **"Power"** button.

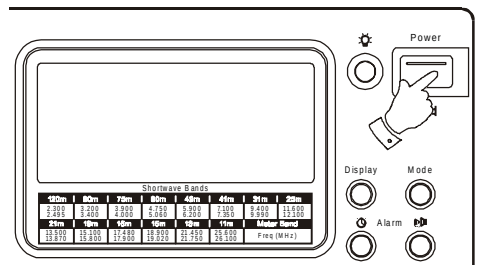
1. Press the button the display will show the last alarm time set, (this will be **"0:00"** the first time the alarm is set). The alarm symbol will flash in the display.
2. Press the numbered buttons to set the alarm on time, followed by the ***Enter*** button to complete the setting The display will return to showing real time.
3. To verify the alarm time, press the button to display the alarm time followed by the ***Enter*** button to return to real time mode.



5. To cancel the alarm, press the button the display will show the previously set alarm time, press the ***C*** button to complete alarm cancellation.

Note:

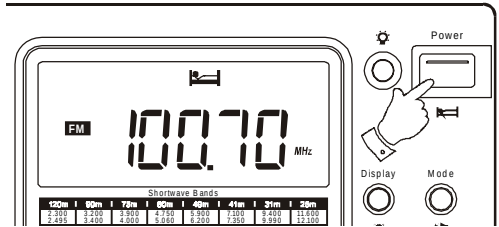
1. When the alarm is sounding, press the ***Power*** button to turn off the alarm for 24 hours.
2. The HWS alarm will play for one hour if not turned off by pushing the ***Power*** button.



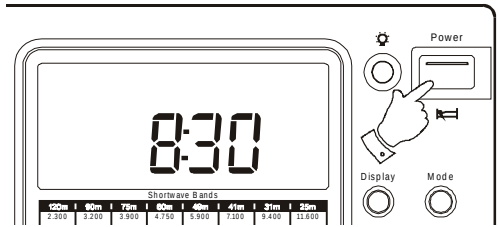
Setting the sleep timer

The sleep timer will automatically switch off the radio after a preset time has elapsed.

1. Press and continue to hold down the button the display will cycle through the available sleep times in the order 60-30-15-120-90. Release the button when the required sleep time appears in the display. The symbol will appear in the display and the radio will play the last station selected.



2. To cancel the sleep function, press the button, the symbol will disappear and the display will revert to showing real time.

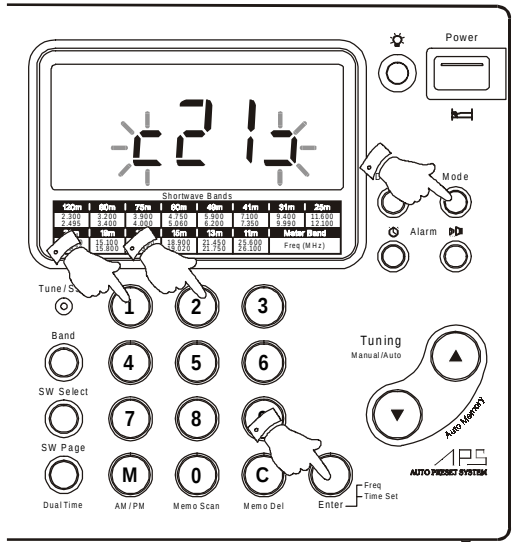


Mode button

To meet the requirements of various countries, you may change the initial settings by pressing the mode button and related numbers as shown below.

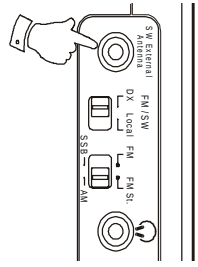
Key	Result
Mode 10 Enter	FM 100kHz tuning steps
Mode 11 Enter	FM 200kHz tuning steps
Mode 20 Enter	MW 9kHz tuning steps
Mode 21 Enter	MW 10KHz tuning steps
Mode 30 Enter	12Hr clock format
Mode 31 Enter	24Hr clock format
Mode 40 Enter	Beep tone off
Mode 41 Enter	Beep tone on
Mode 50 Enter	Memories arranged low - high
Mode 51 Enter	Memories arranged high - low

E.g. to change MW tuning steps from 9kHz to 10kHz press the ***Mode*** button followed by keys ***2, 1, Enter***.



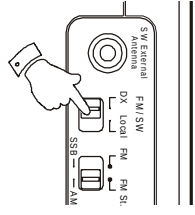
SW External Antenna socket

To improve SW reception you can connect an optional external antenna directly (Roberts AER-1) to the ***SW EXT ANT*** socket located on the left hand end of your radio. Inserting a plug into this socket will automatically disconnect your radios built in antenna.



DX\Local Switch

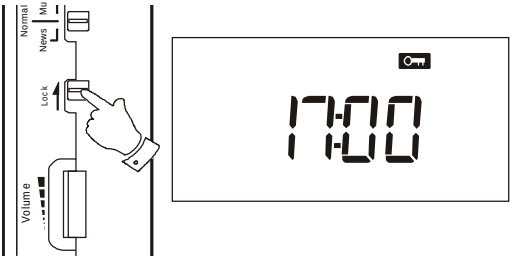
When listening to SW\FM stations, this switch adjusts the radios sensitivity. When listening to strong stations and the signal is slightly distorted, set the ***DX\Local*** switch to the ***Local*** position. For normal or weak stations, set the switch to the ***DX*** position for maximum sensitivity.



Lock switch

The ***Lock*** switch located on the right hand end of your radio is used to prevent unintentional operation.

Set the ***Lock*** switch to the (up) ***On*** position, the symbol will appear in the display. The ***Power*** and all other buttons will be disabled. This will prevent accidental operation when the radio is packed in a suitcase or carrying pouch. To release the ***Lock*** switch move the switch to the (down) ***Off*** position, the symbol will be removed from the display.



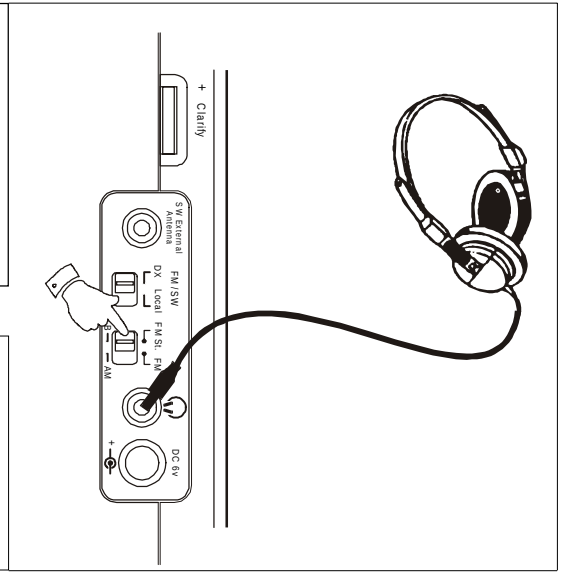
Display backlight

Pressing the button will switch on the display backlight and illuminate the display for approximately 7 seconds.

Mono/Stereo switch

1. To listen to FM stereo broadcasts, tune to the required station, plug in headphones and set the **"Mono/Stereo** switch located on the left side of the radio to the ***FMST*** position. If the station being received is weak some hiss may be audible, to reduce the hiss set the ***Mono/Stereo*** switch to the ***FM*** position to return to mono operation.

Note: FM stereo is only available via headphones.



Headphones

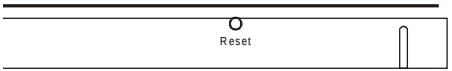
Headphones or earphones for use with your radio should be stereo and fitted with a 3.5mm stereo jack plug. Insert the headphone plug into the socket on the left side of the radio. When the headphones are plugged in the loudspeaker is automatically disconnected.

Troubleshooting/Reset button

If your radio fails to operate correctly, or some digits on the display are missing or incomplete carry out the following procedure.

1. Switch off the radio and remove the batteries.
2. With the aid of a suitable implement (the end of a paper clip) press the reset button located on the underside of your radio for at least 2 seconds, this will reset the microprocessor, clock time and clear all stations stored in preset memory.

If a problem persists our technical staff would be pleased to help offer any assistance on operating the radio. Our technical helpline number is, 020 8758 0338.



Care and maintenance

Do not allow this radio to be exposed to water, steam or sand. Do not leave the radio where excessive heat could cause damage such as in a parked car where the heat from the sun can build up even though the outside temperature may not seem too high.

If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri during office hours)

Frequency range:

LW	153 - 279kHz
MW	520 - 1710 or 522 - 1710kHz
(dependent on MW step size)	
FM	87.5 - 108MHz

SW	120m	2.300 - 2.495MHz
	90m	3.200 - 3.400MHz
	75m	3.850 - 4.000MHz
	60m	4.750 - 5.060MHz
	49m	5.900 - 6.200MHz
	41m	7.100 - 7.350MHz
	31m	9.400 - 9.990MHz
	25m	11.600 - 12.100MHz
	21m	13.570 - 13.870MHz
	19m	15.100 - 15.800MHz
	16m	17.480 - 17.900MHz
	15m	18.900 - 19.020MHz
	13m	21.450 - 21.750MHz
	11m	25.600 - 26.100MHz

Power requirements	
AC	230V ∿ via adaptor.
DC	6.0V ⎓
Batteries	4 x IEC size LR6 (AA size)
Battery Life	Approx. 20hrs of listening when used for 4 hours a day at normal volume using alkaline batteries.
Circuit features	
Semiconductors:	1 LSI, 7 IC's, 7 FET, 35 transistors, 33 diodes, 3 LED
Aerial system	LW/MW Built in ferrite aerial
	SW Telescopic aerial
	FM Telescopic aerial

Output power:	300mW.
Sockets	
Headphone socket	3.5mm dia stereo.
DC in	6.0 volts centre pin negative.
Accessories:	Carrying pouch, Stereo earphones, AC adaptor.

ROBERTS RADIO LIMITED
PO BOX 130
MEXBOROUGH
SOUTH YORKSHIRE
S64 8YT
http://www.robertsradio.co.uk

The company reserves the right to amend the specification without notice.

If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri during office hours)

Notes:

ROBERTS RADIO LIMITED
PO BOX 130
MEXBOROUGH
SOUTH YORKSHIRE
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http://www.robertsradio.co.uk

Guarantee

This radio is guaranteed for twelve months from the date of delivery to the original owner against failure due to faulty workmanship or component breakdown, subject to the procedure stated below. Should any component or part fail during this guarantee period it will be repaired or replaced free of charge.
The guarantee does not cover:

1. Damage resulting from incorrect use.
2. Consequential damage.
3. Receivers with removed or defaced serial numbers.

N.B. Damaged or broken telescopic aerials will not be replaced under guarantee.

Procedure: Any claim under this guarantee should be made through the dealer from whom the instrument was purchased It is likely that your Roberts' dealer will be able to attend to any defect quickly and efficiently, but should it be necessary the dealer will return the instrument to the company's service department for attention. In the event that it is not possible to return the instrument to the Roberts' dealer from whom it was purchased, please contact Roberts Radio service department at the address shown below before taking further action.

These statements do not affect the statutory rights of a consumer.

If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri during office hours)

ROBERTS RADIO TECHNICAL SERVICES DEPARTMENT

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